



Cubesat Design Engineer

Start-up description

SPiN is a leading provider of modularity solutions for the space sector, offering satellite integration solutions to transform satellites to modular systems, empowering satellite manufacturers to spend high-value time and money where it counts: pursuing new ventures. In addition to MA61C, an intelligent plug and play data node to integrate satellite components off the shelf without user intervention, SPiN provides a service to design satellites in a flexible concept using model based system engineering methodology. In 2022, SPiN launched its first CubeSat to demonstrate its technology in orbit, and opened three more subsidiaries in Italy, the United Kingdom and Luxembourg. Founded in 2015, SPiN is a Techstars portfolio company, more information about MA61C can be found at <http://www.spinintech.com>

Job purpose

The cubesat design engineer shall be a part of the system engineering team and will be involved with two upcoming new-space projects revolving around MA61C-CubeSat design. The first project involves designing a flatsat for showcasing quick AIT with the ability to test end-user requirements. The other project is designing a cubesat for an external customer using MA61C-CubeSat. Finally, the engineer will also take part in activities supporting internal technical development within SPiN.

Duties and responsibilities

- Cubesat design and development including interfaces (digital and physical)
- Requirements definition and consolidation
- Identification and parameterization of subsystems
- Power, mass and volume trade off
- Development of software functionality definitions
- Thermal and mechanical analysis
- Procurement of cubesat components
- Documentation
- Customer support

Qualifications

- MSc in Aerospace engineering or Electrical & Electronic engineering
- At least 1 years of experience in development of a cubesat
- Experience working with embedded systems (C/C++)
- Experience working with system engineering tools
- Experience with CAD tools (solidworks or similar)
- Experience with thermal and mechanical analysis tools
- Fluent in English

Working conditions

- Relocation to Luxembourg
- Start date: Q1 2023

Please send CV and motivation letter to: ma61c@spinintech.com